Intelligent Mobile Edge

Wired and Wireless Bundles

Bundle Components

Intelligent Mobile Edge Wired and Wireless Bundles are based on the following products:

Summit X440 PoE Switches

- Wired speed switching performance, with up to 136Gbps switching capacity.
- SummitStack™ support for automatic failover and increased network availability.
- Automated port detection and provision to help simplify your installations.
- PoE+ helps power Access Points, VOIP Phones and IP Cameras.

Altitude 4511 Access Point

- 802.11n 2x2 MIMO custom designed radio which provides 26dBm performance with integrated antennas.
- Snap-on set-up uses existing cabling.
- Integrated controller help to improve network reliability.

Altitude 4021 & 4532 Access Points

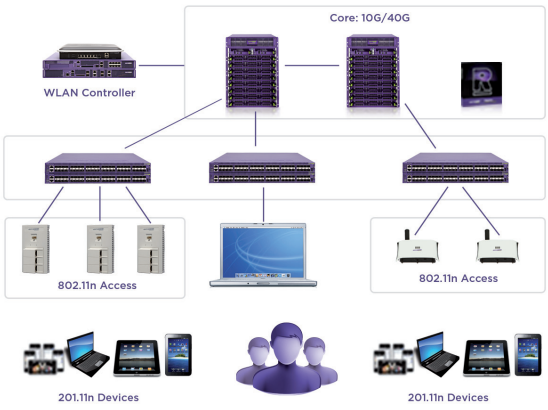
- Single & Dual Radio with up to 2x3 MIMO.
- Internal integrated antenna or external antenna models.
- High power – 24 dBm of power.
- IEEE 802.11n technology. The fastest wireless available.
- Low-entry-cost enterprise wireless APs.

Intelligent Mobile Edge Overview

Extreme Networks® Intelligent Mobile Edge solution empowers organizations to offer BYOD at breakthrough TCO through a converged wired and wireless architecture. It supports the migration to 802.11n wireless and beyond, while flattening the campus network and helping to meet the enhanced security requirements driven by consumerization and device proliferation.

The Intelligent Mobile Edge Solution leverages the ExtremeXOS®-based Summit® portfolio of stackable switches, including the new Summit X440, a broad 802.11n-based WLAN portfolio including Summit Controllers and Altitude™ Access Points, and Ridgeline™, Extreme Networks powerful, flexible converged management solution. Unlike legacy edge solutions that may not cost-effectively scale, Extreme Networks can help deliver a better user experience at a lower cost through a converged wired and WLAN data plane and user management, reducing IT staff time and extending intelligence and security to both wired and wireless users at the network edge. The Intelligent Mobile Edge Solution responds to the need of diverse deployments including enterprises, education, hospitality and small and medium business markets.

- End-to-End ExtremeXOS Drives TCO and Services
- 802.11n Access Point Deployment
- Cost-Effective and Feature-Rich Edge Switching
- Converged WLAN and Wired Data Plane
- Converged WLAN and Wired Policy



Make Your Network Mobile

Why Customers Choose Intelligent Mobile Edge Wired and Wireless Bundles

Single Data plane for Wired and Wireless

A converged wired and wireless data plane helps to eliminate bottlenecks and enhance scalability of your wireless networks.

- Data routed through wired data plane.
- Higher performance.
- Low latency.
- Higher Scalability of 802.11n.

Smart and Secure Radio Frequency Management

Self-Monitoring at Run Time RF technology provides a simple and easy method to configure and operate the RF network, so applications deliver reliable and stable performance.

- Monitor, optimize and self-heal from AP failures, co-channel interference or non-WLAN interference.
- Secure WLAN networks against rogue APs, using Extreme Networks Access Points with simultaneous operation in client access mode with one radio and other radio for rogue detection and mitigation.

Simple and Intelligent BYOD Solution

Extreme Networks Intelligent Mobile Edge bundles provide simple yet powerful solutions to address BYOD challenges.

- Automatic port detection and provisioning.
- Role-based policies for user access for intelligent identity detection, management and authorization.

Increased Network Resilience and Availability

Improve your wired and wireless network resilience and availability utilizing:

- SummitStack for automatic failover.
- Modular ExtremeXOS with memory protection for Summit X440 switches.
- Smart Band Control ensures all bands are equally served and increases AP uptime.
- Smart Load balancing provides flexibility to load balance across a group of APs.

Secured Connectivity

Functionality to help protect corporate data and maintain corporate compliance for your wired and wireless networks:

- Full firewall and WIPS on the select APs.
- Secure VPN tunnel between APs and controller.
- Logically segment users based on identity.
- Dynamically segment users based on location.

Value

Extreme Networks products offer high performance and a low total cost of ownership:

- Low product acquisition cost.
- Low service/maintenance cost.
- Low training/administration cost.
- Broad functionality from core to edge.

Limited Lifetime Warranty eAHR on Summit X440 Series Switches

- Advanced Hardware Replacement: Next Business Day Shipment.
- Technical Support: Customers may contact the Extreme Networks AHR warranty support line via email, Web form or telephone from Monday-Friday from 8 am to 5 pm (local Extreme Networks TAC time).

For more information, please contact your Sales or Channel Account Manager.

Note: Limited Lifetime Warranty is only applicable to the Summit X440 series switches.
For additional information on applicable warranties please visit our Product Warranty page located at:
http://www.extremenetworks.com/services/warranty.aspx

Technical Specifications

AP Series	Radio	MIMO : Spatial Stream	Adaptive (Independent)	Form Factor	Antenna Type	Tx Power
AP4511	1	2x2:2	Yes	Wall Plate	Internal	26 dBm
AP4021	1	2x2:2	No	Ceiling / Wall Mount	Internal & External	27 dBm
AP4532	2	2x3:2	Yes	Ceiling / Wall Mount	Internal & External	24 dBm

Summit X440 Model	PoE+ Ports	PoE Budget	Total Active GE ports	Fiber Ports	Shared Ports	Dimensions	Stacking Ports	Aggregate Switch Bandwidth
X440-8p	8	190 watts	12	4	0	1.7in(H) x 12in(W) x 10.3in (D)	Yes (Front)	64Gbps
X440-24p	24	380 watts	24	4	4	1.7in(H) x 17.4in(W) x 10.3in (D)	Yes (Rear)	88Gbps
X440-48p	48	380 watts	48	4	4	1.7in(H) x 17.4in(W) x 10.3in (D)	Yes (Rear)	136Gbps

Ordering Information

Part Number	Part Name	Description
18001	16502 X4408P 15761 AP4511 US06	Wireless Bundle consisting of Qty 1 X440-8p and Qty 6 Altitude 4511 AP US regulatory domain
18002	16502 X4408P 15762 AP4511 WW06	Wireless Bundle consisting of Qty 1 X440-8p and Qty 6 Altitude 4511 AP Worldwide regulatory domain
18003	16504 X44024P 15761 AP4511 US12	Wireless Bundle consisting of Qty 1 X440-24p and Qty 12 Altitude 4511 AP US regulatory domain
18004	16504 X44024P 15762 AP4511 WW12	Wireless Bundle consisting of Qty 1 X440-24p and Qty 12 Altitude 4511 AP Worldwide regulatory domain
18005	16504 X44024P 15783 AP4021i US12	Wireless Bundle consisting of Qty 1 X440-24p and Qty 12 Altitude 4021i AP US regulatory domain
18006	16504 X44024P 15784 AP4021i WW12	Wireless Bundle consisting of Qty 1 X440-24p and Qty 12 Altitude 4021i AP Worldwide regulatory domain
18007	16504 X44024P 15785 AP4021e US12	Wireless Bundle consisting of Qty 1 X440-24p and Qty 12 Altitude 4021e AP including Qty 48 Antenna's US regulatory domain

Part Number	Part Name	Description
18008	16504 X44024P 15788 AP4021e WW12	Wireless Bundle consisting of Qty 1 X440-24p and Qty 12 Altitude 4021e AP including Qty 48 Antenna's Worldwide regulatory domain
18009	16506 X44048P 15761 AP4511 US12	Wireless Bundle consisting of Qty 1 X440-48p and Qty 12 Altitude 4511 AP US regulatory domain
18010	16506 X44048P 15762 AP4511 WW12	Wireless Bundle consisting of Qty 1 X440-48p and Qty 12 Altitude 4511 AP Worldwide regulatory domain
18011	16506 X44048P 15764 AP4532i US6	Wireless Bundle consisting of Qty 1 X440-48p and Qty 6 Altitude 4532i AP US regulatory domain
18012	16506 X44048P 15765 AP4532i WW6	Wireless Bundle consisting of Qty 1 X440-48p and Qty 6 Altitude 4532i AP Worldwide regulatory domain
18013	16506 X44048P 15767 AP4532e US6	Wireless Bundle consisting of Qty 1 X440-48p and Qty 6 Altitude 4532e AP including Qty 36 Antenna's US regulatory domain
18014	16506 X44048P 15768 AP4532e WW6	Wireless Bundle consisting of Qty 1 X440-48p and Qty 6 Altitude 4532e AP including Qty 36 Antenna's Worldwide regulatory domain

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